



DOCKET NO.: CRNT-0034

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

**Paul A. Kline**

**Confirmation No.: 4988**

**Serial No.: 10/016,998**

**Group Art Unit: 2874**

**Filing Date: December 14, 2001**

**Examiner: Not yet assigned**

**For: Interfacing Fiber Optic Data With Electrical Power Systems**

DATE OF DEPOSIT: *2/6/03*

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, DC 20231.

*[Signature]*  
TYPED NAME: Vincent J. Roccia  
REGISTRATION NO.: 43,887

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

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In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with  the first or  second After Final Submission, therefore:

- Certification in Accordance with § 1.97(e) is attached; or
- The fee of \$180.00 as set forth in § 1.17(p) is attached.

In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

- Certification in Accordance with § 1.97(e) is attached; or
- The fee of \$180.00 as set forth in § 1.17(p) is attached.

In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

- In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .

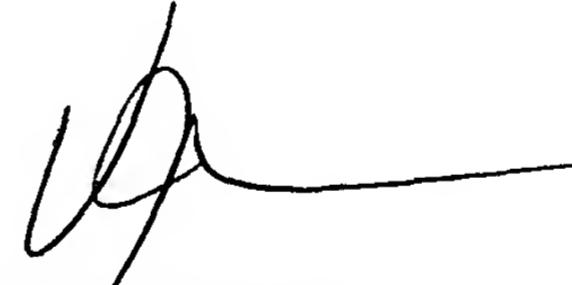
If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

English language abstracts have been included for those listed references which are not in the English language.

Date: 2/6/03



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<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Paul A. Kline</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>December 14, 2001</b>	Group <b>2874</b>

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### U. S. PATENT DOCUMENTS

<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>
	1	2,298,435	10/13/42	Tunick	250	15
	2	3,445,814	05/20/69	Spalti	340	151
	3	3,605,009	09/14/71	Enge	323	93
	4	3,656,112	04/11/72	Paull	340	151
	5	3,702,460	11/07/72	Blose	340	150
	6	3,810,096	05/07/74	Kabat et al.	340	147 R
	7	3,895,370	07/15/75	Valentini	340	310
	8	3,911,415	10/07/75	Whyte	340	310
	9	3,942,168	03/02/76	Whyte	340	310.01
	10	3,942,170	03/02/76	Whyte	340	310
	11	3,962,547	06/08/76	Pattantyus-Abraham	179	2.5 R
	12	3,964,048	06/15/76	Lusk et al.	340	310 R
	13	3,967,264	06/29/76	Whyte et al.	340	310.08
	14	3,973,240	08/03/76	Fong	340	151
	15	4,004,110	01/18/77	Whyte	179	170 J
	16	4,012,733	03/15/77	Whyte	340	310
	17	4,016,429	04/05/77	Vercellotti et al.	307	149
	18	4,057,793	11/08/77	Johnson et al.	340	310 R

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**Form PTO-1449 Modified**

List of Patent and Publications  
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(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

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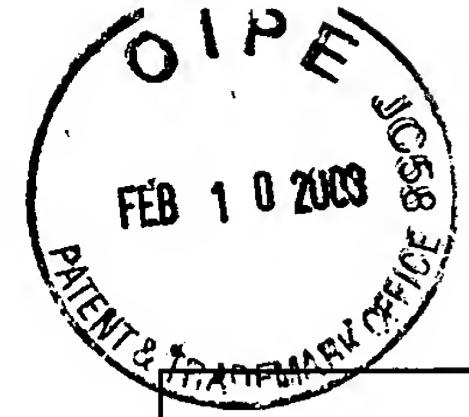
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**December 14, 2001**

Group  
**2874**

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	19	4,060,735	11/29/77	Pascucci et al.	307	3
	20	4,070,572	01/24/78	Summerhayes	250	199
	21	4,119,948	10/10/78	Ward et al.	340	870.02
	22	4,142,178	02/27/79	Whyte et al.	340	310
	23	4,188,619	02/12/80	Perkins	340	310 R
	24	4,239,940	12/16/80	Dorfman	179	2.51
	25	4,254,402	03/03/81	Perkins	340	310 R
	26	4,268,818	05/19/81	Davis et al.	340	870.38
	27	4,323,882	04/06/82	Gajjer	340	310 R
	28	4,357,598	11/02/82	Melvin, Jr.	340	310 A
	29	4,408,186	10/04/83	Howell	340	310 A
	30	4,433,284	02/21/84	Perkins	323	361
	31	4,442,492	04/10/84	Karlsson et al.	364	464
	32	4,457,014	06/26/84	Bloy	381	98
	33	4,468,792	08/28/84	Baker et al.	375	45
	34	4,473,816	09/25/84	Perkins	340	310
	35	4,473,817	09/25/84	Perkins	340	310
	36	4,481,501	11/06/84	Perkins	340	310
	37	4,495,386	01/22/85	Brown et al.	455	402

**EXAMINER****DATE CONSIDERED**



Sheet 3 of 17

## Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

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Group  
**2874**

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	38	4,569,045	02/04/86	Schieble et al.	370	85
	39	4,642,607	02/10/87	Strom et al.	340	310
	40	4,644,321	02/17/87	Kennon	340	310 A
	41	4,675,648	06/23/87	Roth et al.	340	310.07
	42	4,683,450	07/28/87	Max et al.	333	202
	43	4,686,382	08/11/87	Shuey	307	149
	44	4,686,641	08/11/87	Evans	364	580
	45	4,697,166	09/29/87	Warnagiris et al.	340	310 R
	46	4,745,391	05/17/88	Gajjar	340	310 A
	47	4,746,897	05/24/88	Shuey	340	310 R
	48	4,749,992	06/07/88	Fitzmeyer et al.	340	870.02
	49	B1 4,749,992	06/11/96	Fitzmeyer et al.	340	870.02
	50	4,766,414	08/23/88	Shuey	340	310 A
	51	4,785,195	11/15/88	Rochelle et al.	307	18
	52	4,800,363	01/24/89	Braun et al.	340	310 A
	53	4,835,517	05/30/89	van der Gracht et al.	340	310 A
	54	4,903,006	02/02/90	Boomgaard	340	310 A
	55	4,973,940	11/27/90	Sakai et al.	340	310 R
	56	4,979,183	12/18/90	Cowart	375	142

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EXAMINER	DATE CONSIDERED



Sheet 4 of 17

## Form PTO-1449 Modified

List of Patent and Publications  
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(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

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Group  
**2874**

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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	57	5,006,846	04/09/91	Granville et al.	340	870.28
	58	5,148,144	09/15/92	Sutterlin et al.	340	310 A
	59	5,185,591	02/09/93	Shuey	340	310 A
	60	5,191,467	03/02/93	Kapany et al.	359	341
	61	5,210,519	05/11/93	Moore	340	310
	62	5,257,006	10/26/93	Graham et al.	340	310A
	63	5,301,208	04/05/94	Rhodes	375	36
	64	5,319,634	06/07/94	Bartholomew et al.	370	18
	65	5,351,272	09/27/94	Abraham	375	38
	66	5,359,625	10/25/94	Vander Mey et al.	375	1
	67	5,369,356	11/29/94	Kinney et al.	324	142
	68	5,375,141	10/20/94	Takahashi	375	1
	69	5,406,249	04/11/95	Pettus	340	310.06
	70	5,432,841	07/11/95	Rimer	455	457
	71	5,448,229	09/05/95	Lee, Jr.	340	870.02
	72	5,461,629	10/24/95	Sutterlin et al.	371	30
	73	5,497,142	03/05/96	Chaffanjon	340	310.06
	74	5,498,956	03/12/96	Kinney et al.	324	142
	75	5,559,377	09/24/96	Abraham	307	104

EXAMINER	DATE CONSIDERED



Sheet 5 of 5

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## Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

Serial No.  
**10/016,998**

Applicant  
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Filing Date  
**December 14, 2001**

Group  
**2874**

### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	76	5,579,221	11/26/96	Mun	364	188
	77	5,579,335	11/26/96	Sutterlin et al.	375	200
	78	5,592,482	01/07/97	Abraham	348	8
	79	5,616,969	04/01/97	Morava	307	91
	80	5,625,863	04/29/97	Abraham	455	3.3
	81	5,630,204	05/13/97	Hylton et al.	455	3.3
	82	5,640,416	06/17/97	Chalmers	375	147
	83	5,664,002	09/02/97	Skinner, Sr.	379	56.2
	84	5,684,450	11/04/97	Brown	340	310.02
	85	5,691,691	11/25/97	Merwin et al.	340	310.02
	86	5,694,108	12/02/97	Shuey	340	310.01
	87	5,705,974	01/06/98	Patel et al.	340	310.08
	88	5,712,614	01/27/98	Patel et al.	340	310.03
	89	5,717,685	02/10/98	Abraham	370	30
	90	5,726,980	03/10/98	Rickard	370	293
	91	5,748,671	05/05/98	Sutterlin et al.	375	206
	92	5,770,996	06/23/98	Severson et al.	340	310.08
	93	5,774,526	06/30/98	Propp et al.	379	90.1
	94	5,777,544	07/07/98	Vander Mey et al.	340	310.06

EXAMINER

DATE CONSIDERED



Sheet 6 of 17

## Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

Serial No.  
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Group  
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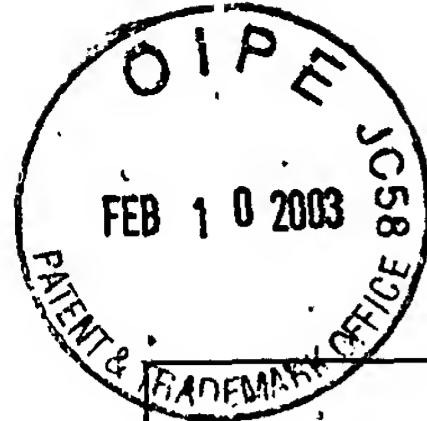
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Examiner Initial		Document No.	Date	Name	Class	Subclass
	95	5,777,545	07/07/98	Patel et al.	341	310.06
	96	5,777,769	07/07/98	Coutinho	359	173
	97	5,778,116	07/07/98	Tomich	385	16
	98	5,796,607	08/18/98	Le Van Suu	364	140.01
	99	5,802,102	09/01/98	Davidovici	375	152
	100	5,805,053	09/08/98	Patel et al.	340	310.01
	101	5,818,127	10/06/98	Abraham	307	106
	102	5,828,293	10/27/98	Rickard	340	310.04
	103	5,835,005	11/10/98	Furukawa et al.	340	310.01
	104	5,847,447	12/08/98	Rozin et al.	257	678
	105	5,856,776	01/05/99	Armstrong et al.	340	310.01
	106	5,864,284	01/26/99	Sanderson et al.	340	310.01
	107	5,880,677	03/09/99	Lestician	340	825.06
	108	5,881,098	03/09/99	Tzou	375	152
	109	5,892,430	04/06/99	Wiesman et al.	340	310.01
	110	5,929,750	07/27/99	Brown	340	310.02
	111	5,933,071	08/03/99	Brown	340	310.01
	112	5,933,073	08/03/99	Shuey	340	310.07
	113	5,937,003	08/10/99	Sutterlin et al.	375	208

EXAMINER

DATE CONSIDERED



Sheet 7 of 17

### Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

Serial No.  
**10/016,998**

Applicant  
**Paul A. Kline**

Filing Date  
**December 14, 2001**

Group  
**2874**

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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	114	5,937,342	08/10/99	Kline	455	402
	115	5,949,327	09/07/99	Brown	340	310.01
	116	5,963,585	10/05/99	Omura et al.	375	207
	117	5,977,650	11/02/99	Rickard et al.	307	3
	118	5,978,371	11/02/99	Mason, Jr. et al.	370	389
	119	6,014,386	01/11/00	Abraham	370	485
	120	6,023,106	02/08/00	Abraham	307	3
	121	6,037,678	03/14/00	Rickard	307	89
	122	6,040,759	03/21/00	Sanderson	340	310.01
	123	6,091,932	07/18/00	Langlais	455	5.1
	124	6,104,707	08/15/00	Abraham	370	295
	125	6,144,292	11/07/00	Brown	340	310.02
	126	6,151,330	11/21/00	Liberman	370	449
	127	6,172,597 B1	01/09/01	Brown	340	310.02
	128	6,177,849 B1	01/23/01	Barsellotti et al.	333	177
	129	6,212,658 B1	04/03/01	Le Van Suu	714	749
	130	6,226,166 B1	05/01/01	Gumley et al.	361	118
	131	6,282,405 B1	08/28/01	Brown	725	79
	132	6,297,729 B1	10/02/01	Abali et al.	340	310.01

EXAMINER

DATE CONSIDERED



Sheet 8 of 17

## Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

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Applicant  
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Filing Date  
**December 14, 2001**

Group  
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	133	6,297,730 B1	10/02/01	Dickinson	340	310.01
	134	6,317,031 B1	11/13/01	Rickard	340	310.03
	135	6,331,814 B1	12/18/01	Albano et al.	340	310.01
	136	6,373,376 B1	04/16/02	Adams et al.	340	310.01
	137	6,396,392 B1	05/28/02	Abraham	340	310.01
	138	6,404,773 B1	06/11/02	Williams et al.	370	463
	139	6,407,987 B1	06/18/02	Abraham	370	295
	140	6,414,578 B1	07/02/02	Jitaru	336	170
	141	6,425,852 B1	07/30/02	Epstein et al.	600	13
	142	6,441,723 B1	08/27/02	Mansfield, Jr. et al.	340	310.01
	143	6,452,482 B1	09/17/02	Cern	340	310.01
	144	6,486,747 B1	11/26/02	DeCramer et al.	333	25
	145	6,496,104 B2	12/17/02	Kline	340	310.01
	146	6,504,357 B1	01/07/03	Hemminger et al.	324	142
	147	2001/0038329 A1	11/08/01	Diamanti et al.	340	310.01
	148	2001/0038343 A1	11/08/01	Meyer et al.	340	870.02
	149	2001/0052843 A1	12/20/01	Wiesman et al.	340	310.01
	150	2001/0054953 A1	12/27/01	Kline	340	310.01
	151	2002/0014884 A1	02/07/02	Chung	324	74

EXAMINER	DATE CONSIDERED



Sheet 9 of 17

<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>			
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	152	2002/0027496 A1	03/07/02	Cern et al.	340	310.01
	153	2002/0041228 A1	04/11/02	Zhang	340	310.01
	154	2002/0060624 A1	05/23/02	Zhang	340	310.01
	155	2002/0071452 A1	06/13/02	Abraham	370	480
	156	2002/0080010 A1	06/27/02	Zhang	340	310.06
	157	2002/0105413 A1	08/08/02	Cern et al.	340	310.01
	158	S.N. 09/765,910	01/19/01	Kline		
	159	S.N. 09/805,638	03/14/01	Kline		
	160	S.N. 09/835,532	04/16/01	Kline		
	161	S.N. 09/837,972	04/19/01	Kline et al.		
	162	S.N. 09/912,633	07/25/01	Kline		
	163	S.N. 09/915,459	07/26/01	Kline		
	164	S.N. 09/924,730	08/08/01	Kline		
	165	S.N. 10/036,914	12/21/01	Mollenkopf et al.		
	166	S.N. 10/075,708	02/14/02	Kline		
	167	S.N. 10/075,332	02/14/02	Kline		
	168	S.N. 10/150,694	05/16/02	Gidge		
	169	S.N. 10/165,992	06/10/02	Kline		
	170	S.N. 10/176,500	06/21/02	Pridmore, Jr. et al.		

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Sheet 10 of 17

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

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	171	S.N. 10/293,799	11/13/02	Huebner		
	172	S.N. 10/292,745	11/12/02	Cope et al.		
	173	S.N. 10/292,714	11/12/02	Cope		
	174	S.N. 10/315,725	12/10/02	Cope et al.		
	175	S.N. 10/319,317	12/13/02	Mollenkopf et al.		

**EXAMINER****DATE CONSIDERED**



Sheet 11 of 17

### Form PTO-1449 Modified

List of Patent and Publications  
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(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**CRNT-0034**

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Applicant  
**Paul A. Kline**

Filing Date  
**December 14, 2001**

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**2874**

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation YES	Translation NO
176	197 28 270 A1	01/07/99	DE	X abstract	
177	0 470 185 B1	11/29/95	EP		
178	0 581 351 A1	02/02/94	EP		
179	0 948 143 A2	10/06/99	EP	X abstract	
180	0 959 569 A1	11/24/99	EP	X abstract	
181	0 913 955 A2	05/06/99	EP	X abstract	
182	0 916 194 B1	09/26/01	EP		
183	1 011 235 A2	06/21/00	EP		
184	1 011 235 A3	05/02/02	EP		
185	1 014 640 A2	06/28/00	EP		
186	1 014 640 A3	07/03/02	EP		
187	1 021 866 B1	10/23/02	EP		
188	2 122 920 A1	12/16/98	ES	X abstract	
189	2 293 950 A	04/10/96	GB		
190	2 315 937 A	02/11/98	GB		
191	2 331 683 A	05/26/99	GB		
192	2 335 335 A	09/15/99	GB		
193	2 341 776 A	03/22/00	GB		
194	2 342 264 A	04/05/00	GB		
195	2 347 601 A	09/06/00	GB		

EXAMINER

DATE CONSIDERED

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Sheet 12 of 17

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
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Docket No.  
**CRNT-0034**

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**10/016,998**

Applicant  
**Paul A. Kline**

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**December 14, 2001**

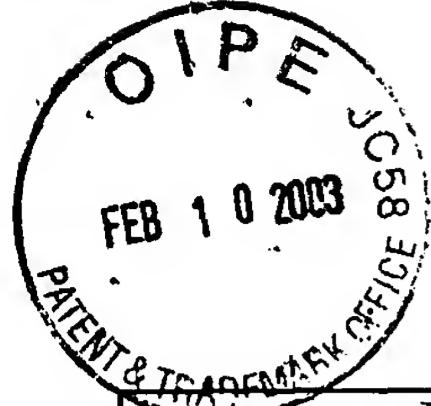
Group  
**2874**

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document No.	Date	Country	Translation	
				YES	NO
196	1276933	11/07/89	JP		
197	95/29536 A1	11/02/95	WO		
198	98/01905 A1	01/15/98	WO		
199	98/33258 A2	07/30/98	WO		
200	98/33258 A3	07/30/98	WO		
201	98/40980 A1	09/17/98	WO		
202	00/59076 A1	10/05/00	WO		
203	00/60701 A1	10/12/00	WO		
204	01/08321 A1	02/01/01	WO	X abstract	
205	01/43305 A1	06/14/01	WO	X abstract	
206	01/82497 A1	11/01/01	WO		
207	02/054605 A1	07/11/02	WO		

RECEIVED  
TECHNOLOGY CENTER 2800  
FEB 11 2003

EXAMINER	DATE CONSIDERED



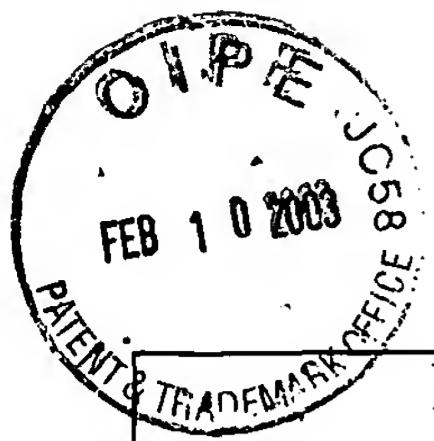
<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Paul A. Kline</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>December 14, 2001</b>	Group <b>2874</b>
<b>RECEIVED</b> FEB 11 2003 TECHNOLOGY CENTER 2800			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>208</b>	Patent Abstracts of Japan, Japanese Publication No. 10200544 A2, published <b>July 31, 1998</b> , (Matsushita Electric Works, LTD)	
	<b>209</b>	Tohoku Electric Power, Co., Inc., "Tohoku Electric Develops High-Speed Communications System Using Power Distribution Lines," <i>Tohoku Currents, Spring 1998, 8(1)</i> , 2 pages ( <a href="http://www.tohoku-epco.co.jp/profil/kurozu/c_vol8_1/art04.htm">http://www.tohoku-epco.co.jp/profil/kurozu/c_vol8_1/art04.htm</a> )	
	<b>210</b>	Power Line Communications Conference entitled, "PLC, A New Competitor in Broadband Internet Access," <b>December 11-12, 2001</b> , Washington, D.C., 60 pages	
	<b>211</b>	Rivkin, S. R., "Co-Evolution of Electric & Telecommunications Networks," <i>The Electricity Journal, May 1998</i> , 71-76	
	<b>212</b>	Marketing Assessment Presentation entitled "Powerline Telecommunications," prepared by The Shpigler Group for CITI PLT, <b>July 16, 2002</b> , 9 pages	
	<b>213</b>	Campbell, C., presentation entitled "Building a Business Case for PLC: Lessons Learned From the Communication Industry Trenches," KPMG Consulting, <b>July 16, 2002</b> , 5 pages	
	<b>214</b>	"Embedded Power Line Carrier Modem," Archnet Electronic Technology, <a href="http://www.archnetco.com/english/product/ATL90.htm">http://www.archnetco.com/english/product/ATL90.htm</a> , <b>2001</b> , 3 pages	
	<b>215</b>	"Archnet: Automatic Meter Reading System Power Line Carrier Communication", <a href="http://www.archnetco.com/english/product/product_sl.htm">www.archnetco.com/english/product/product_sl.htm</a> , 3 pages	
	<b>216</b>	"Power Line Communications Solutions", <a href="http://www.echelon.com/products/oem/transceivers/powerline/default.htm">www.echelon.com/products/oem/transceivers/powerline/default.htm</a> , 2 pages	
	<b>217</b>	"Texas Instruments: System Block Diagrams; Power Line Communication (Generic)", <a href="http://focus.ti.com/docs/apps/catalog/resources/blockdiagram.jhtml?bdId=638">http://focus.ti.com/docs/apps/catalog/resources/blockdiagram.jhtml?bdId=638</a> , 1 page	
	<b>218</b>	Feduschak, N.A., "Waiting in the Wings: Is Powerline Technology Ready to Compete with Cable?", <b>March 2001</b> , <a href="http://www.cabletoday.com/ic2/archives/0301/0301powerline.htm">www.cabletoday.com/ic2/archives/0301/0301powerline.htm</a> , 5 pages	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------



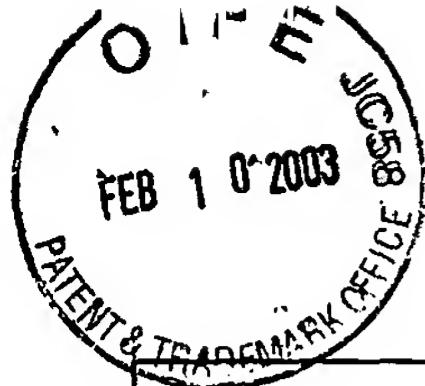
<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Paul A. Kline</b> <span style="writing-mode: vertical-rl; transform: rotate(180deg); position: absolute; left: 0; top: 0;">RECEIVED FEB 11 2003 TECHNOLOGY CENTER 2800</span>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>December 14, 2001</b>	Group <b>2874</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
219	“Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kHz to 148.5kHz-Part 4: Filters at the Interface of the Indoor and Outdoor Electricity Network”, <i>CLC SC 105A (Secretariat) May 1992</i> , 62, 1-11		
220	“Intellon Corporation Test Summary for Transformerless Coupler Study”, <i>Intellon No News Wires, December 24, 1998</i> , DOT/NHTSA Order No. DTNH22-98-P-07632, pp 1-18		
221	<i>EMETCON Automated Distribution System</i> , ABB Power T & D Company, Inc., <b>January 1990</b> , Raleigh, North Carolina, No B-919A, 14 pages		
222	“Dedicated Passive Backbone for Power Line Communications”, <i>IBM Technical Disclosure Bulletin, July 1997</i> , 40(7), 183-185		
223	Coaxial Feeder Cables [Engineering Notes]”, <i>PYE Telecommunications Limited Publication Ref No. TSP507/1, June 1975</i> , Cambridge, England, 15 pages		
224	“Centralized Commercial Building Applications with the Lonworks ® PLT-21 Power Line Transceiver”, <i>Lonworks Engineering Bulletin</i> , Echelon, <b>April 1997</b> , pp 1-22		
225	“Plexeon Logistics, Inc., :Power Line Communications”, <a href="http://www.plexeon.com/power.html">www.plexeon.com/power.html</a> , 2 pages		
226	“EMETCON Automated Distribution System: Communications Guide”, <i>Westinghouse ABB Power T &amp; D Company Technical Manual 42-6001A, September 1989</i> , 55 pages		
227	Abraham, K.C. et al., “A Novel High-Speed PLC Communication Modem”, <i>IEEE Transactions on Power Delivery</i> , 1992, 7(4), 1760-1768		
228	J.M. Barstow., “A Carrier Telephone System for Rural Service”, <i>AIEE Transactions</i> , 1947, 66, 301-307		
229	Chang, S.S.L., “Power-Line Carrier”, <i>Fundamentals Handbook of Electrical and Computer Engineering</i> ”, Volume II-Communication, Control, Devices and Systems, John Wiley & Sons, 617-627		
230	Chen, Y-F. et al. “Baseband Transceiver Design of a 128-Kbps Power-Line Modem for Household Applications”, <i>IEEE Transactions on Power Delivery</i> , 2002, 17(2), 338-344		

EXAMINER	DATE CONSIDERED



<b>Form PTO-1449 Modified</b>		Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Paul A. Kline</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>December 14, 2001</b>	Group <b>2874</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
231	Coakley, N.G. et al., "Real-Time Control of a Servosystem Using the Inverter-Fed Power Lines to Communicate Sensor Feedback", <i>IEEE Transactions on Industrial Electronics</i> , 1999, 46(2), 360-369		
232	Esmailian, T. et al., "A Discrete Multitone Power Line Communication System", <i>Department of Electrical and Computer Engineering</i> , University of Toronto, Ontario Canada, 2000 IEEE, pp 2953-2956		
233	Kawamura, A. et al., "Autonomous Decentralized Manufacturing System Using High-speed Network with Inductive Transmission of Data and Power", <i>IEEE</i> , 1996, 940-945		
234	Kilbourne, B. "EEI Electric Perspectives: The Final Connection", <a href="http://www.eei.org/ep/editorial/Jul-01/0701conenct.htm">www.eei.org/ep/editorial/Jul-01/0701conenct.htm</a> , 7 pages		
235	Kim, W-O., et al., "A Control Network Architecture Based on EIA-709.1 Protocol for Power Line Data Communications", <i>IEEE Transactions on Consumer Electronics</i> , 2002, 48(3), 650-655		
236	Lim, C.K. et al., "Development of a Test Bed for High-Speed Power Line Communications", School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, <i>IEEE</i> , 2000, 451-456		
237	Lokken, G. et al., "The Proposed Wisconsin electric Power Company Load Management System Using Power Line Carrier Over Distribution Lines", 1976 <i>National Telecommunications Conference</i> , IEEE, 1976, 2.2-12.2-3		
238	Marthe, E. et al., "Indoor Radiated Emission Associated with Power Line Communication Systems", <i>Swiss Federal Institute of Technology Power Systems Laboratory IEEE</i> , 2001, 517-520		
239	Naredo, J.L. et al., "Design of Power Line Carrier Systems on Multitransposed Delta Transmission Lines", <i>IEEE Transactions on Power Delivery</i> , 1991, 6(3), 952-958		
240	Nichols, K., "Build a Pair of Line-Carrier Modems", <i>CRC Electronics-Radio Electronics</i> , 1988, 87-91		
241	Okazaki, H, et al., "A Transmitting, and Receiving Method for CDMA Communications Over Indoor Electrical Power Lines", <i>IEEE</i> , 1998, pp VI-522-VI-528		

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>



Sheet 16 of 17

**Form PTO-1449 Modified**

Docket No. <b>CRNT-0034</b>	Serial No. <b>10/016,998</b>
Applicant <b>Paul A. Kline</b>	
Filing Date <b>December 14, 2001</b>	Group <b>2874</b>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<b>242</b>	B. Don Russell, "Communication Alternatives for Distribution Metering and Load Management", <i>IEEE Transactions on Power Apparatus and Systems</i> , 1980, Vol PAS-99(4), pp 1448-1455
<b>243</b>	Sado, WN. et al., "Personal Communication on Residential Power Lines-Assessment of Channel Parameters", <i>IEEE</i> , 532-537
<b>244</b>	International Search Report dated May 2, 2001, from PCT/US01/01810
<b>245</b>	International Search Report dated July 16, 2001, from PCT/US01/12699
<b>246</b>	International Search Report dated October 22, 2001, from PCT/US01/12291
<b>247</b>	International Search Report dated June 5, 2002, from PCT/US01/48064
<b>248</b>	Written Opinion dated May 15, 2002, from PCT/US01/12699
<b>249</b>	International Search Report dated June 24, 2002, from PCT/US02/04310
<b>250</b>	International Search Report dated August 7, 2002, from PCT/US02/04300

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------



<b>Form PTO-1449 Modified</b>		Docket No. CRNT-0034	Serial No. 10/016,998		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Paul A. Kline			
U.S. Department of Commerce Patent and Trademark Office		Filing Date December 14, 2001	Group 2874		
<b>U. S. PATENT DOCUMENTS</b>					
Examiner Initial	Document No.	Date	Name	Class	Subclass
	251 5,982,276	11/09/99	Stewart	340	310.01
	252 6,157,292	12/05/00	Piercy et al.	340	310.01
	253 2002/0010870 A1	01/24/02	Gardner	713	300
	254 2002/0095662 A1	07/18/02	Ashlock et al.	717	136
	255 2002/0098867 A1	07/25/02	Meiksin et al.	455	560
<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initial	Document No.	Date	Country	Translation	
				YES	NO

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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